

4

EXTEND



4.1 Extend Setup + Use

4.2 Nesting + Extend

4.3 Extend Pitfalls

4.4 Placeholder Selectors



application.css

```
.btn-a {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}
```

simplifies to

application.css

```
.btn-a,  
.btn-b {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
}
```

4.1 Extend Setup + Use



Extend

Sass will track and automatically combine selectors for us:

_buttons.scss

```
.btn-a {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  @extend .btn-a;  
  background: #ff0;  
}
```

application.css

```
.btn-a,  
.btn-b {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
}
```

4.1 Extend Setup + Use



```
.btn-b {  
  @extend .btn-a;  
  background: #ff0;  
}
```

```
.btn-a,  
.btn-b {  
  ...  
}  
.btn-b {  
  ...  
}
```

adds a second declaration
for unique values

4.1 Extend Setup + Use



application.scss

```
.content {  
  border: 1px solid #ccc;  
  padding: 20px;  
  h2 {  
    font-size: 3em;  
    margin: 20px 0;  
  }  
}  
.callout {  
  @extend .content;  
  background: #ddd;  
}
```

application.css

```
.content,  
.callout {  
  border: 1px solid #ccc;  
  padding: 20px;  
}  
.content h2,  
.callout h2 {  
  font-size: 3em;  
  margin: 20px 0;  
}  
.callout {  
  background: #ddd;  
}
```

4.2 Nesting + Extend



```
.callout {  
  @extend .content;  
  background: #ddd;  
}
```

```
.content,  
.callout {  
  ...  
}  
.content h2,  
.callout h2 {  
  ...  
}  
.callout {  
  ...  
}
```

4.2 Nesting + Extend



4.1 Extend Setup + Use

4.2 Nesting + Extend

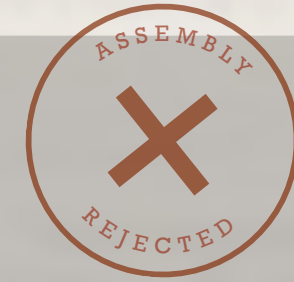
4.3 Extend Pitfalls

4.4 Placeholder Selectors




```
.btn-a {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  @extend .btn-a;  
  background: #ff0;  
}  
.sidebar .btn-a {  
  text-transform: lowercase;  
}
```

```
.btn-a,  
.btn-b {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
}  
.sidebar .btn-a,  
.sidebar .btn-b {  
  text-transform: lowercase;  
}
```



.btn-b is also
scoped here

4.3 Extend Pitfalls



- Since `.btn-b` extends `.btn-a`, every instance that modifies `.btn-a` also modifies `.btn-b`
- Stylesheet bloat, if these extra styles aren't needed
- We can counteract with **placeholder selectors**

4.3 Extend Pitfalls



Assembly Tip

Always, always check the CSS output of your Sass before using it on a live site.



- Placeholder selectors are denoted with a %
- Can be extended, but never become a selector of their own

4.4 Placeholder Selectors



_buttons.scss

```
.btn-a {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  @extend .btn-a;  
  background: #ff0;  
}  
.sidebar .btn-a {  
  text-transform: lowercase;  
}
```

application.css

```
.btn-a,  
.btn-b {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
}  
.sidebar .btn-a,  
.sidebar .btn-b {  
  text-transform: lowercase;  
}
```

4.4 Placeholder Selectors



```
%btn {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-a {  
  @extend %btn;  
}  
.btn-b {  
  @extend %btn;  
  background: #ff0;  
}  
.sidebar .btn-a {  
  text-transform: lowercase;  
}
```

```
.btn-a,  
.btn-b {  
  background: #777;  
  border: 1px solid #ccc;  
  font-size: 1em;  
  text-transform: uppercase;  
}  
.btn-b {  
  background: #ff0;  
}  
.sidebar .btn-a {  
  text-transform: lowercase;  
}
```

*.btn-b is no
longer scoped*



4.4 Placeholder Selectors



Extend common blocks to avoid extra HTML classes:

application.scss

```
%ir {  
  border: 0;  
  font: 0/0 a;  
  text-shadow: none;  
  color: transparent;  
  background-color: transparent;  
}  
.logo {  
  @extend %ir;  
}  
.social {  
  @extend %ir;  
}
```

application.css

```
.logo,  
.social {  
  border: 0;  
  font: 0/0 a;  
  text-shadow: none;  
  color: transparent;  
  background-color: transparent;  
}
```

4.4 Placeholder Selectors



Assembly Tip

Versions of IE prior to 9 have a limit of 4095 selectors-per-CSS file limit.



ASSEMBLING SASS



PROPERTY OF:
CODE SCHOOL

PROJECT DATE:
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